

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. # 0010941 **OFFICE** Design Policy & Support
Fulton County
GDOT District 7 - Metro Atlanta **DATE** 8/15/2016
SR 154/SR 166 @ CR 472/Niskey Lake Road
Operational Improvements

Kim Phillips
FROM *for* Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Monica Flournoy, State Materials and Testing Administrator
Lee Upkins, State Utilities Engineer
Richard Cobb, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Medhi Bashirian, District Design Engineer
Kathy Zahul, District Engineer
Scott Lee, District Preconstruction Engineer
Nicholas Fields, District Utilities Engineer
Robert Reid, Project Manager
BOARD MEMBER - 5th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT**

Project Type: <u>Operational Improvement</u>	P.I. Number: <u>0010941</u>	
GDOT District: <u>Seven</u>	County: <u>Fulton</u>	
Federal Route Number: <u>N/A</u>	State Route Number: <u>154/166</u>	
Project Number: _____	N/A	

The project has changed from an 8' rural shoulder to a 10' urban shoulder. This change was implemented to address drainage issues. In addition, 5' sidewalks will be added along both sides of SR154/166/Campbellton Rd.

Submitted for approval:

Muriel Jenkins
District Seven/Design Phase Office Head & Office

6/30/16
Date

Albert Shultz
State Program Delivery Engineer

7-13-16
Date

R L R L
GDOT Project Manager

7-7-16
Date

Recommendation for approval:

** Eric Duff/KLP*
State Environmental Administrator

7-16-16
Date

** Christopher Raymond/KLP*
State Traffic Engineer

7-19-16
Date

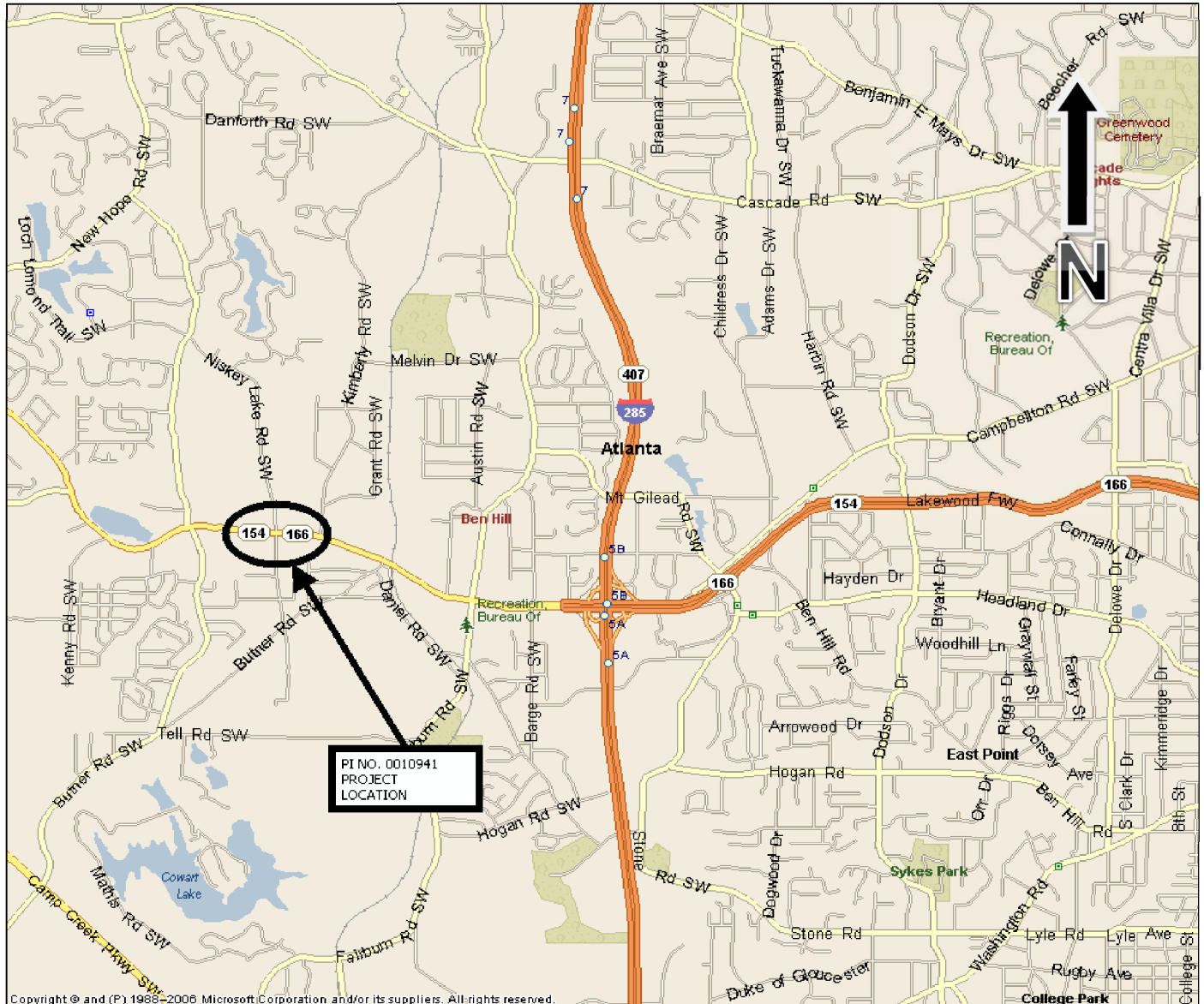
** Recommendation on file*

- ☒ MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).
- ☐ Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

Amelia Z. Vangke
State Transportation Planning Administrator

7-15-16
Date

PROJECT LOCATION



**SR 154/166 Campbellton Rd at CR 472/Niskey
Lake Rd**
Intersection Improvement
PI No. 0010941
Fulton County

PLANNING, APPROVED CONCEPT, AND BACKGROUND

Project Justification Statement:

State Route (SR) 154/SR 166/Campbellton Road at Niskey Lake Road in Fulton County was identified for intersection improvements. The proposed project is part of the GDOT Operational Improvement Lump Sum Program from the Office of Traffic Operations. This proposed project was presented to and approved by the Operational Improvement Committee as a QUICK project.

SR 154/SR 166 is an urban minor arterial that connects downtown Atlanta to the residential communities in the western suburban and rural areas. At the intersection, SR 154/166 is a 35 mph east-west two lane, two-way undivided roadway with no turn lanes. Niskey Lake Road is a 35 mph urban local road that serves the residential areas north and south of SR 166 and SR 154. At the intersection, Niskey Lake Rd is a north-south two lane, two-way undivided roadway with no turn lanes. The intersection is currently signalized with no protected phases. The project limits should not extend more than 1000 feet from the center of the intersection for all of the approaches.

District 7 Traffic Operations staff provided a summary of a capacity analysis capturing the intersection operations. Field observation and analysis showed an unacceptable intersection performance at LOS F for the 2011 existing and 2031 future year with the existing configuration. There are also extensive queues that form eastbound and westbound along SR 166/154 during the peak hour periods due to high volumes of commuter traffic and the lack of turn lanes for left turning vehicles. The project proposes minor improvements to install turn lanes on the main street approaches to improve capacity and operation through this routine bottleneck. The improved operational function at this intersection will relieve the traffic congestion during the peak hour periods.

The project lies within the boundaries of the Atlanta Regional Commission (ARC), Atlanta's Metropolitan Planning Organization (MPO). As an operational improvement project, this project is categorized under the "operational improvement lump sum category" in the MPO's RTP or TIP.

Existing conditions:

SR 154/166 is classified as an urban minor arterial with relatively flat terrain. SR 154/166 is a two-12ft. lane undivided highway with a typical 2ft. paved shoulder that ties into existing grade, with no dedicated turning lanes. CR4 472/Niskey Lake Road is an urban local street. There is an existing sidewalk that runs along northbound section of Niskey Lake Road.

Description of the approved concept:

This project proposes to improve the operational efficiency of the intersection, by widening symmetrically to add left turn lanes on SR 154/166/Campbellton Rd. The turn bays will be 250' long with 100' entry tapers. The existing traffic signal will be upgraded to accommodate the new lane configuration. The project is 0.25 miles long. This intersection is located 100% in Fulton County.

Federal Oversight: ☐ PoDI ☒ Exempt ☐ State Funded ☐ Other

Projected Traffic as shown in the approved Concept Report: ADT

Open Year (2015): 18,523

Design Year (2025): 19,450

Updated Traffic: ADT 24 HR T: 3.5 %

Open Year (2019): 20,750

Design Year (2039): 26,560

Functional Classification (Mainline):

Urban Minor Arterial Street

VE Study anticipated:

☒ No

☐ Yes

☐ Completed – Date:

PROPOSED REVISIONS

Approved Features:	Proposed Features:
<ul style="list-style-type: none">The typical section for SR 154/166/Campbellton Rd has 8 ft. rural shoulders.	<ul style="list-style-type: none">The typical section for SR 154/166/Campbellton Rd changed to 10 ft. urban shoulders.
<ul style="list-style-type: none">The design speed for SR 154/166/Campbellton Rd is 45 mph.	<ul style="list-style-type: none">The design speed for SR 154/166/Campbellton Rd is 35 mph.
<p>Reason(s) for change:</p> <p>The project has changed from an 8' rural shoulder to a 10' urban shoulder. This change was implemented to address drainage issues. In addition, curb and gutter and 5' sidewalks will be added along both sides of SR154/166/Campbellton Rd. Also, the design speed has been revised from 45 mph to 35 mph, due to the existing posted speed of 35 mph and vertical alignment of the road is designed for 35 mph speed.</p>	

Design Variances and/or Exceptions needed: None

ENVIRONMENTAL AND PERMITS

Potential environmental impacts of proposed revision: There are no anticipated environmental impacts due to the project limits are not being changed.

Have proposed revisions been reviewed by environmental staff? ☒ No ☐ Yes

Environmental responsibilities (Studies/Documents/Permits):

Consultant - Parsons

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? ☐ No ☒ Yes

Is the project located in an Ozone Non-attainment area? ☐ No ☒ Yes

Is a Carbon Monoxide hotspot analysis required? ☒ No ☐ Yes

This project is not intended to add capacity to the roadway network.

Environmental Comments and Information: N/A

County: Fulton

PROJECT COST AND ADDITIONAL INFORMATION

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	\$736,698.85	7/11/2016	
Engineering and inspection:	5%	7/11/2016	
Contingencies:	5%	7/11/2016	
Construction Cost with Contingency and E&I:	\$812,210.48	7/11/2016	
Liquid AC Adjustment:	\$21,630.76	7/11/2016	
Total Construction Cost:	\$833,841.24		
Right-of-Way:	\$410,000.00	3/29/2016	
Utilities (reimbursable costs):	\$325,000.00	7/28/2016	
Environmental Mitigation:	\$0.00	5/18/2016	
TOTAL PROJECT COST:	\$1,568,841.24		


Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Comments: None

Attachments:

1. Cost Estimate (Construction, Right of Way, Utilities)
2. Proposed Typical Sections
3. Mainline Proposed Profile

APPROVALS

Concur:  8/9/16
Director of Engineering Date

Approve:  8.10.16
Chief Engineer Date

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0010941 **OFFICE** D7/Road Design

PROJECT DESCRIPTION

SR 154/166 Campbellton Road @ CR 472/Niskey Lake Road

DATE July 11, 2016

From: Medhi Bashirian, PE, District Seven Design Engineer

To: Lisa L. Myers, State Project Review Engineer
via Email Mailbox: CostEstimatesandUpdates@dot.ga.gov

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Robert Reid

MGMT LET DATE 3/15/2017

MGMT ROW DATE 3/15/2016

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 656,568.48

DATE 12/4/2015

RIGHT OF WAY \$ 410,000.00

DATE 10/1/2014

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$ 833,841.24

RIGHT OF WAY \$ 410,000.00

UTILITIES \$ 325,000.00

*Cost Contains 5 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

Updated cost increase due to adding drainage, sidewalk, and curb and gutter

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$ 736,698.85	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$ 36,834.94	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$ 38,676.69	Base Estimate (A) + E & I (B) x	5 %
		See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$ 21,630.76	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$ 833,841.24	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Georgia Power Company	\$ 200,000.00
City of East Point Power	\$ 125,000.00
TOTAL	\$ 325,000.00

ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)

Detailed Cost Estimate Printout From TRAQS
 Liquid AC Adjustment Spreadsheet
 ROW Cost Estimate
 Utility Cost Estimate

DETAILED COST ESTIMATE**Job: 0010941 CK DRFT****JOB NUMBER:** 0010941_CK DRFT**FED/STATE PROJECT NUMBER:****SPEC YEAR:** 13**DESCRIPTION:** SR 154/166 @ CR 472/NISKEY LAKE RD**ITEMS FOR JOB 0010941_CK DRFT****0010 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0025	150-1000	1.000	LS	\$75,000.00000	TRAFFIC CONTROL - PI NO. 0010941	\$75,000.00
0030	210-0100	1.000	LS	\$150,000.00000	GRADING COMPLETE - PI NO. 0010941	\$150,000.00
0035	310-1101	80.000	TN	\$32.32421	GR AGGR BASE CRS, INCL MATL	\$2,585.94
0038	318-3000	100.000	TN	\$23.26351	AGGR SURF CRS	\$2,326.35
0039	402-1812	1502.000	TN	\$79.51983	RECYL AC LEVELING, INC BM&HL	\$119,438.78
0044	402-3121	63.000	TN	\$94.12918	RECYL AC 25MM SP, GP1/2, BM&HL	\$5,930.14
0049	402-3130	455.000	TN	\$106.80705	RECYL AC 12.5MM SP, GP2, BM&HL	\$48,597.21
0054	402-3190	27.000	TN	\$107.04347	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$2,890.17
0059	413-0750	290.000	GL	\$3.26413	TACK COAT	\$946.60
0064	432-5010	293.000	SY	\$9.53190	MILL ASPH CONC PVMT, VARB DEPTH	\$2,792.85
0079	441-0016	17.000	SY	\$42.44498	DRIVEWAY CONCRETE, 6 IN TK	\$721.56
0069	441-0104	1267.000	SY	\$33.15557	CONC SIDEWALK, 4 IN	\$42,008.11
0074	441-0108	48.000	SY	\$60.17119	CONC SIDEWALK, 8 IN	\$2,888.22
0314	441-4020	120.000	SY	\$39.44570	CONC VALLEY GUTTER, 6 IN	\$4,733.48
0279	441-5002	302.000	LF	\$14.74998	CONC HEADER CURB, 6, TP 2	\$4,454.49
0284	441-6222	2180.000	LF	\$16.56851	CONC CURB & GUTTER/ 8X30TP2	\$36,119.35
0084	446-1100	300.000	LF	\$8.36774	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$2,510.32
0089	500-9999	50.000	CY	\$189.69902	CL B CONC, BASE OR PVMT WIDEN	\$9,484.95
0099	634-1200	48.000	EA	\$112.49021	RIGHT OF WAY MARKERS	\$5,399.53
SUBTOTAL FOR ROADWAY:						\$518,828.05

DETAILED COST ESTIMATE**Job: 0010941 CK DRFT****0020 - EROSION**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0199	163-0232	2.000	AC	\$103.50324	TEMPORARY GRASSING	\$207.01
0209	163-0240	15.000	TN	\$313.42655	MULCH	\$4,701.40
0204	163-0300	2.000	EA	\$1,384.03250	CONSTRUCTION EXIT	\$2,768.07
0304	163-0503	1.000	EA	\$493.72601	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$493.73
0311	163-0503	1.000	EA	\$493.72601	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$493.73
0244	163-0550	11.000	EA	\$127.94309	CONS & REM INLET SEDIMENT TRAP	\$1,407.37
0214	165-0030	1312.000	LF	\$0.76860	MAINT OF TEMP SILT FENCE, TP C	\$1,008.40
0312	165-0087	1.000	EA	\$154.64523	MAINT OF SILT CONTROL GATE, TP 3	\$154.65
0259	165-0101	2.000	EA	\$651.40129	MAINT OF CONST EXIT	\$1,302.80
0249	165-0105	11.000	EA	\$45.92465	MAINT OF INLET SEDIMENT TRAP	\$505.17
0289	167-1000	2.000	EA	\$213.79811	WATER QUALITY MONITORING AND SAMPLING	\$427.60
0294	167-1500	12.000	MO	\$451.58929	WATER QUALITY INSPECTIONS	\$5,419.07
0219	171-0030	2624.000	LF	\$2.90359	TEMPORARY SILT FENCE, TYPE C	\$7,619.02
0224	603-2181	32.000	SY	\$41.35423	STN DUMPED RIP RAP, TP 3, 18	\$1,323.34
0299	603-7000	32.000	SY	\$4.59920	PLASTIC FILTER FABRIC	\$147.17
0229	700-6910	2.000	AC	\$697.00534	PERMANENT GRASSING	\$1,394.01
0234	700-7000	4.000	TN	\$102.65276	AGRICULTURAL LIME	\$410.61
0264	700-8000	1.000	TN	\$593.68078	FERTILIZER MIXED GRADE	\$593.68
0239	700-8100	100.000	LB	\$3.06427	FERTILIZER NITROGEN CONTENT	\$306.43
0178	716-2000	885.000	SY	\$1.17382	EROSION CONTROL MATS, SLOPES	\$1,038.83
SUBTOTAL FOR EROSION:						\$31,722.09

0030 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0274	441-0300	3.000	EA	\$2,087.86763	CONC SPILLWAY, SPCL DES	\$6,263.60
0254	550-1180	741.000	LF	\$38.24823	STM DR PIPE 18,H 1-10	\$28,341.94
0094	550-4118	1.000	EA	\$505.72816	FLARED END SECT 18 IN, SIDE DR	\$505.73
0269	668-1100	8.000	EA	\$2,209.90473	CATCH BASIN, GP 1	\$17,679.24
SUBTOTAL FOR DRAINAGE:						\$52,790.51

0040 - SIGNAL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0118	639-2001	300.000	LF	\$2.57335	STEEL WIRE STRAND CABLE, 1/4	\$772.01
0119	639-5000	4.000	EA	\$6,417.04357	PRESTRESSED CONC STR POLE, TP- TYPE 4	\$25,668.17
0124	647-1000	1.000	LS	\$75,000.00000	TRAF SIGNAL INSTALLATION NO - 1	\$75,000.00
0129	647-2120	11.000	EA	\$400.79000	PULL BOX, PB-2	\$4,408.69
0309	647-5230	1.000	EA	\$7,536.40683	SIGNAL ASS, FLASHING SCHOOL, CO	\$7,536.41
0184	682-6233	600.000	LF	\$8.20000	CONDUIT, NONMETL, TP 3, 2 IN	\$4,920.00
0098	682-9950	350.000	LF	\$12.57000	DIRECTIONAL BORE - 3 INCH	\$4,399.50
SUBTOTAL FOR SIGNAL:						\$122,704.78

DETAILED COST ESTIMATE**Job: 0010941 CK DRFT****0050 - SIGNING & MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0108	636-1033	47.000	SF	\$19.99773	HWY SIGNS, TP1MAT,REFL SH TP 9	\$939.89
0107	636-1036	63.000	SF	\$14.50000	HWY SGN,TP1MAT,REFL SH TP 11	\$913.50
0109	636-1045	18.000	SF	\$27.93000	HWY SGN,TP2,REFL SH TP 11	\$502.74
0114	636-2070	127.000	LF	\$8.55134	GALV STEEL POSTS, TP 7	\$1,086.02
0139	653-0120	6.000	EA	\$78.12792	THERM PVMT MARK, ARROW, TP 2	\$468.77
0144	653-1501	1976.000	LF	\$0.64084	THERMO SOLID TRAF ST 5 IN, WHI	\$1,266.30
0149	653-1502	1818.000	LF	\$0.60206	THERMO SOLID TRAF ST, 5 IN YEL	\$1,094.55
0154	653-1704	168.000	LF	\$6.19749	THERM SOLID TRAF STRIPE,24,WH	\$1,041.18
0159	653-1804	1040.000	LF	\$2.18398	THERM SOLID TRAF STRIPE, 8,WH	\$2,271.34
0169	653-3501	100.000	GLF	\$0.42376	THERMO SKIP TRAF ST, 5 IN, WHI	\$42.38
0164	653-6006	185.000	SY	\$3.95603	THERM TRAF STRIPING, YELLOW	\$731.87
0174	654-1001	44.000	EA	\$4.51856	RAISED PVMT MARKERS TP 1	\$198.82
0179	654-1003	23.000	EA	\$4.17660	RAISED PVMT MARKERS TP 3	\$96.06
SUBTOTAL FOR SIGNING & MARKING:						\$10,653.42

TOTALS FOR JOB 0010941_CK DRFT

ITEMS COST:	\$736,698.85
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$736,698.85
CONTINGENCY PERCENT:	
ENGINEERING AND INSPECTION:	
ESTIMATED COST WITH CONTINGENCY AND E&I:	

PROJ. NO.	0010941-FULTON	CALL NO.
P.I. NO.	0010941	
DATE	7/28/2016	

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jul-16	\$ 2.126
DIESEL		\$ 2.341
LIQUID AC		\$ 348.00

Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt				
Price Adjustment (PA)			21370.68	\$ 21,370.68
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$ 556.80	
Monthly Asphalt Cement Price month project let (APL)			\$ 348.00	
Total Monthly Tonnage of asphalt cement (TMT)			102.35	

ASPHALT	Tons	%AC	AC ton
Leveling	1502	5.0%	75.1
12.5 OGFC		5.0%	0
12.5 mm SP	455	5.0%	22.75
9.5 mm SP		5.0%	0
25 mm SP	63	5.0%	3.15
19 mm SP	27	5.0%	1.35
	2047		102.35

BITUMINOUS TACK COAT				
Price Adjustment (PA)			\$ 260.08	\$ 260.08
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$ 556.80	
Monthly Asphalt Cement Price month project let (APL)			\$ 348.00	
Total Monthly Tonnage of asphalt cement (TMT)			1.245579267	

Bitum Tack		
Gals	gals/ton	tons
290	232.8234	1.24557927

BITUMINOUS TACK COAT (surface treatment)				
Price Adjustment (PA)			0	\$ -
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$ 556.80	
Monthly Asphalt Cement Price month project let (APL)			\$ 348.00	
Total Monthly Tonnage of asphalt cement (TMT)			0	

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT

\$ 21,630.76

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: R/W Cost Estimate

OFFICE: District 7 R/W

DATE: March 29, 2016



FROM: Adrienne Wise District Right of Way Team Manager

TO: Troy Byers State Right of Way Administrator
ATTN: Floyd Williams

SUBJECT: RIGHT OF WAY COST ESTIMATE

PROJECT: SR 154/SR 166 Campbellton Rd. @ CR 472/Niskey Lake

COUNTY: Fulton

P.I. NUMBER: 0010941

Attached is the project Right of Way Cost Estimate on the above referenced project. It is estimated that the cost of right of way plus all related expenses will be \$ 410,000.00.

If we can offer further assistance, please contact me or Adrienne Wise of this office at 770-216-3961.

ATTACHMENTS: Detailed ROW Cost Estimate Summary; Parcel by Parcel Breakdown Spreadsheet; Project Location Map; Subject / Comp Location Map; Comparable Sales Data Spreadsheet

CC: Review Appraiser Manager

GEORGIA DEPARTMENT OF TRANSPORTATION
DETAILED ROW COST ESTIMATE SUMMARY

Date (MM/YYYY): March-16 Project: N/A
Revised: County: Fulton
PI: #0010941
Description: SR 154/SR 166 Campbellton Rd. @ CR 472/Niskey Lake
Parcels: 17 R/W Plan Date: 2/12/2016

CONTRACT

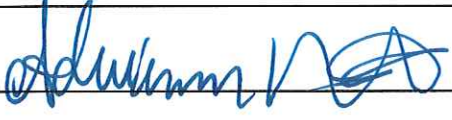
Land and Improvements _____ \$32,448.29
Valuation Services _____ \$31,875.00
Legal Services _____ \$123,975.00
Relocation _____ \$38,250.00
Demolition _____ \$0.00
TOTAL CONTRACT _____ **\$226,548.29**

INHOUSE

TOTAL INHOUSE _____ **\$180,000.00**
TOTAL ESTIMATED COSTS _____ **\$406,548.29**

TOTAL ESTIMATED COSTS (ROUNDED) _____ **\$410,000.00**

Preparation Credits	Hours	Signature
Joshua Hufstetler	10	
LaTarra Parker	5	

 CG#: 272564 (DATE) 3-29-16
CG#: (DATE)

Attachment(s): Project Location Map; Subject/Comp Location Map; Comparable Sales Data

INTER-DEPARTMENT CORRESPONDENCE

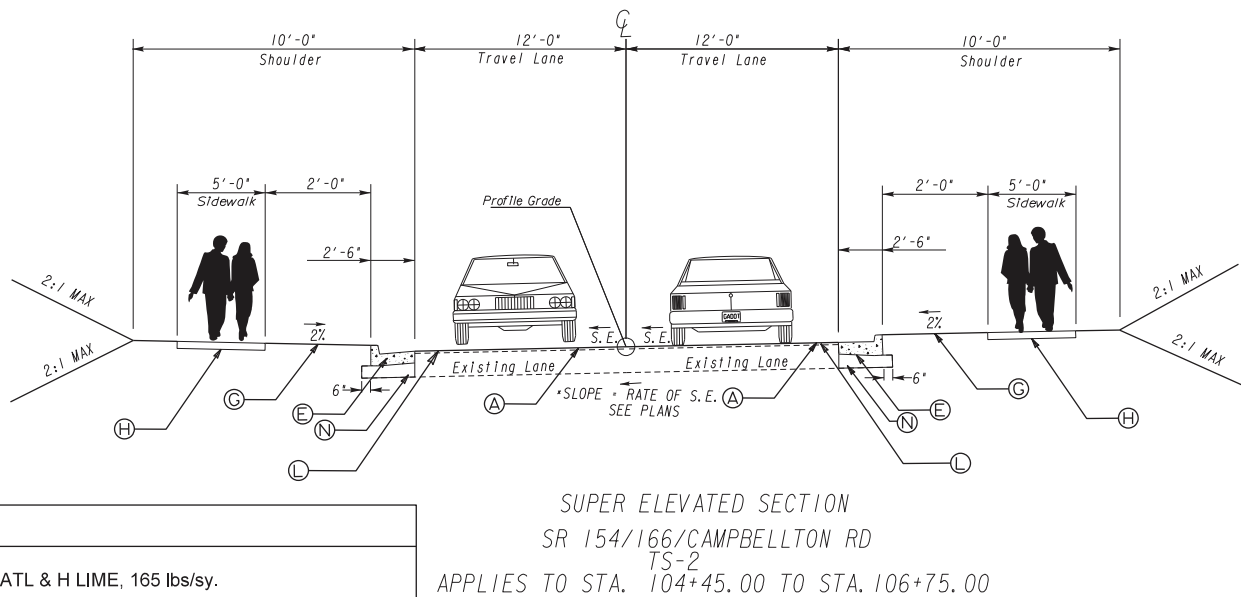
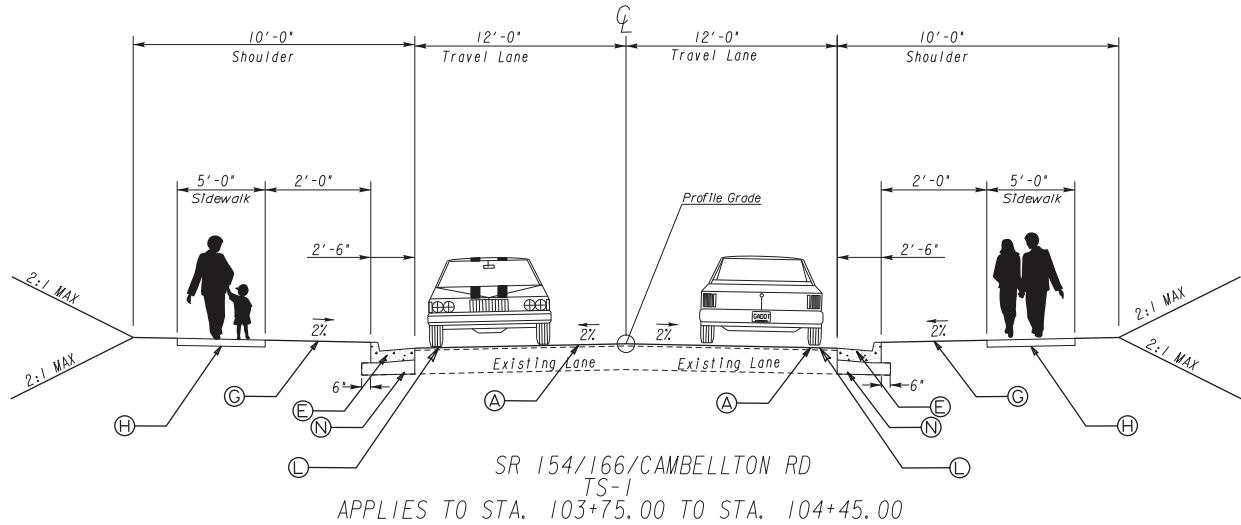
DATE: 07/28/2016

As requested by your office, we are furnishing you with a Preliminary Cost Estimate for each utility with facilities potentially located with the project limits.

FACILITY OWNER	REIMBURSABLE	NON- REIMBURSABLE	TOTAL
Georgia Power Company	\$200,000.00	\$0.00	\$200,000.00
AT&T Communication	\$0.00	\$28,000.00	\$28,000.00
Comcast Cable	\$0.00	\$1,800.00	\$1,800.00
City Of Atlanta Watershed Management Sewer	\$0.00	\$9,000.00	\$9,000.00
Fulton County	\$0.00	\$185,900.00	\$185,900.00
City of East Point Power	\$125,000.00	\$0.00	\$125,000.00
Atlanta Gas Light	\$0.00	\$348,480.00	\$348,480.00
			\$0.00
			\$0.00
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			\$0.00
			\$0.00
TOTAL	\$325,000.00	\$573,180.00	\$898,180.00

Cc: Lee Upkins, State Utilities Administrator

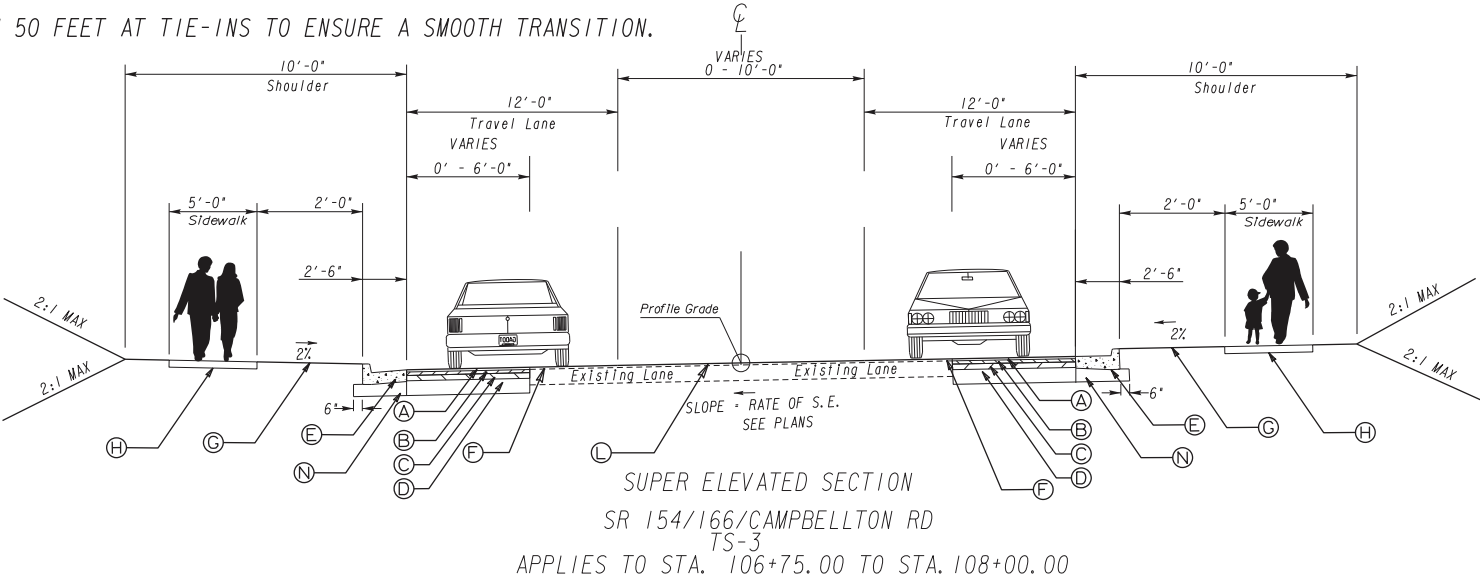
NOTE: THE CONTRACTOR SHALL MILL VARIABLE DEPTH 50 FEET AT TIE-INS TO ENSURE A SMOOTH TRANSITION.



REQUIRED PAVEMENT	
(A)	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 165 lbs/sy.
(B)	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 220 lbs/sy.
(C)	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 660 lbs/sy.
(D)	GRADED AGGREGATE BASE CRS, 12 INCH, INCL MATL
(E)	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2 (STD 9032-B)
(G)	GRASS BUFFER, 2 FT
(H)	CONC SIDEWALK, 4 IN
(L)	RECYCLED ASPH CONC LEVELING, AS REQ'D
(M)	MILL ASPH CONC PVMT, VARIABLE DEPTH
(N)	GRADED AGGREGATE BASE CRS, 12 INCH, INCL MATL

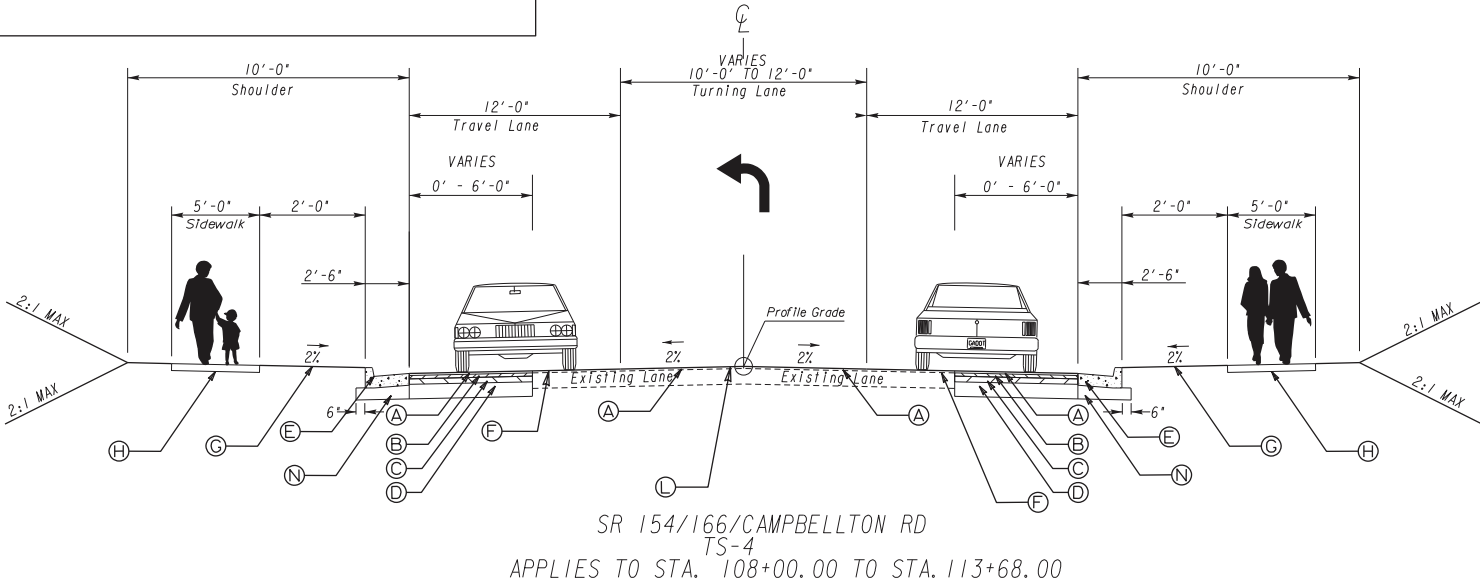
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			SR 154/166/CAMBELLTON RD @ CR 472/NISKEY LAKE RD		
CHECKED:	DATE:		DRAWING No.		
BACKCHECKED:	DATE:		05-0001		
CORRECTED:	DATE:				
VERIFIED:	DATE:				

NOTE: THE CONTRACTOR SHALL MILL VARIABLE DEPTH 50 FEET AT TIE-INS TO ENSURE A SMOOTH TRANSITION.



REQUIRED PAVEMENT

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- (D) GRADED AGGREGATE BASE CRS, 12 INCH, INCL MATL
- (E) CONC CURB & GUTTER, 8 IN X 30 IN, TP 2, (GA -STD 9032-B)
- (F) PAVEMENT REINFORCEMENT FABRIC 18" WIDE
- (G) GRASS BUFFER, 2 FT
- (H) CONC SIDEWALK, 4 IN
- (L) RECYCLED ASPH CONC LEVELING, AS REQ'D
- (M) MILL ASPH CONC PVMT, VARIABLE DEPTH
- (N) GRADED AGGREGATE BASE CRS, 12 INCH, INCL MATL



NOT TO SCALE

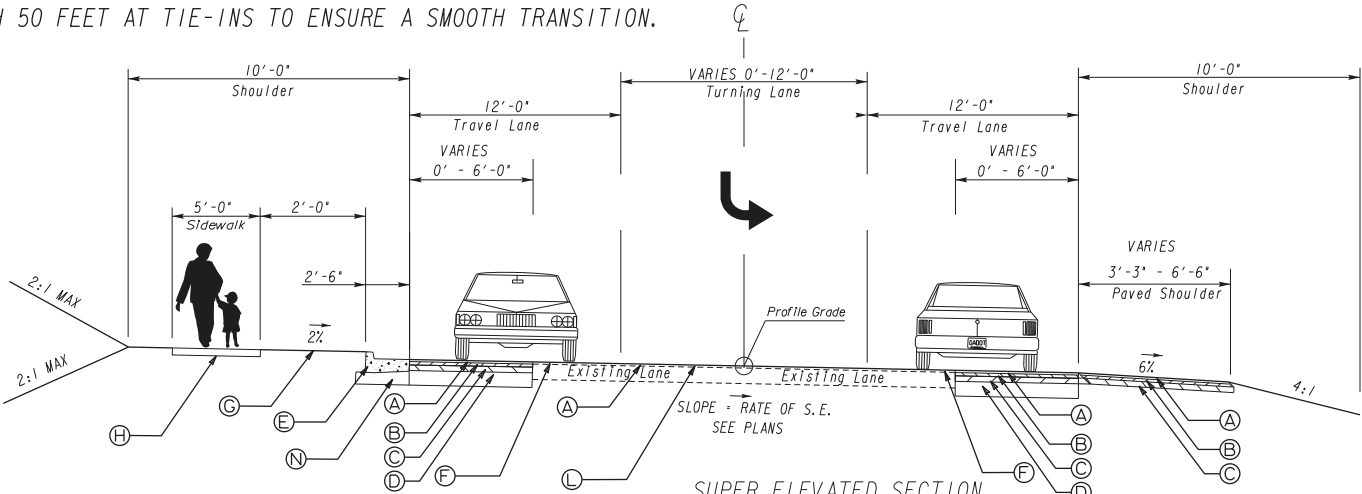
REVISION DATES

TYPICAL SECTIONS

SR 154/166/CAMPBELLTON RD @
CR472/NISKEY LAKE RD

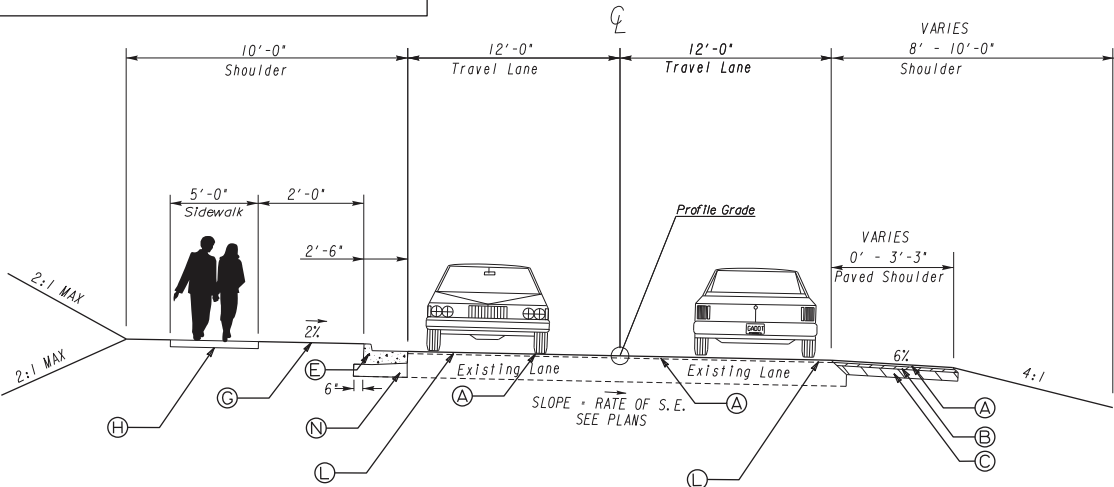
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VERIFIED:	DATE:	05-0002

NOTE: THE CONTRACTOR SHALL MILL VARIABLE DEPTH 50 FEET AT TIE-INS TO ENSURE A SMOOTH TRANSITION.



REQUIRED PAVEMENT	
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(F)	PAVEMENT REINFORCEMENT FABRIC 18" WIDE
(G)	GRASS BUFFER, 2 FT
(H)	CONC SIDEWALK, 4 IN
(L)	RECYCLED ASPH CONC LEVELING, AS REQ'D
(M)	MILL ASPH CONC PVMT, VARIABLE DEPTH
(N)	GRADED AGGREGATE BASE CRS, 12 INCH, INCL MATL

SUPER ELEVATED SECTION
SR 154/166/CAMPBELLTON RD
TS-5
APPLIES TO STA. 113+68.00 TO STA. 114+75.00



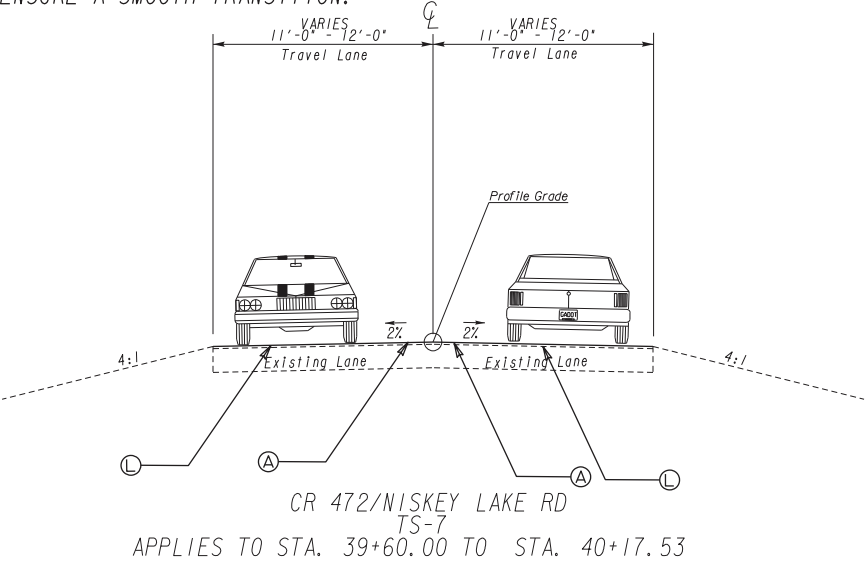
SUPER ELEVATED SECTION
SR 154/166/CAMPBELLTON RD
TS-6
APPLIES TO STA. 114+75.00 TO STA. 115+00.00



NOT TO SCALE

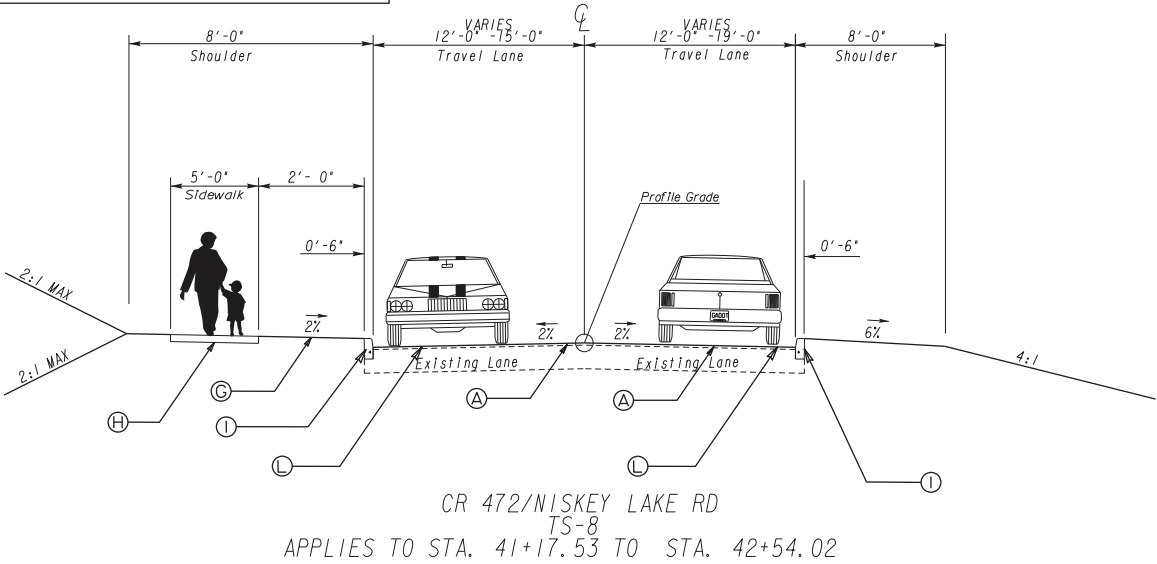
REVISION DATES			TYPICAL SECTIONS		
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BACKCHECKED:	DATE:		BACKCHECKED:	DATE:	
CORRECTED:	DATE:		CORRECTED:	DATE:	
VERIFIED:	DATE:		VERIFIED:	DATE:	05-0003

NOTE: THE CONTRACTOR SHALL MILL VARIABLE DEPTH 50 FEET AT TIE-INS TO ENSURE A SMOOTH TRANSITION.



REQUIRED PAVEMENT

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- (D) GRADED AGGREGATE BASE CRS, 12 INCH, INCL MATL
- (E) CONC CURB & GUTTER, 8 IN X 30 IN, TP 2 (GA STD 9032 -B)
- (G) GRASS BUFFER, 2 FT
- (H) CONC SIDEWALK, 4 IN
- (I) CONCRETE HEADER CURB, 6 IN, TYPE 2
- (L) RECYCLED ASPH CONC LEVELING, AS REQ'D
- (M) MILL ASPH CONC PVM, VARIABLE DEPTH



NOT TO SCALE

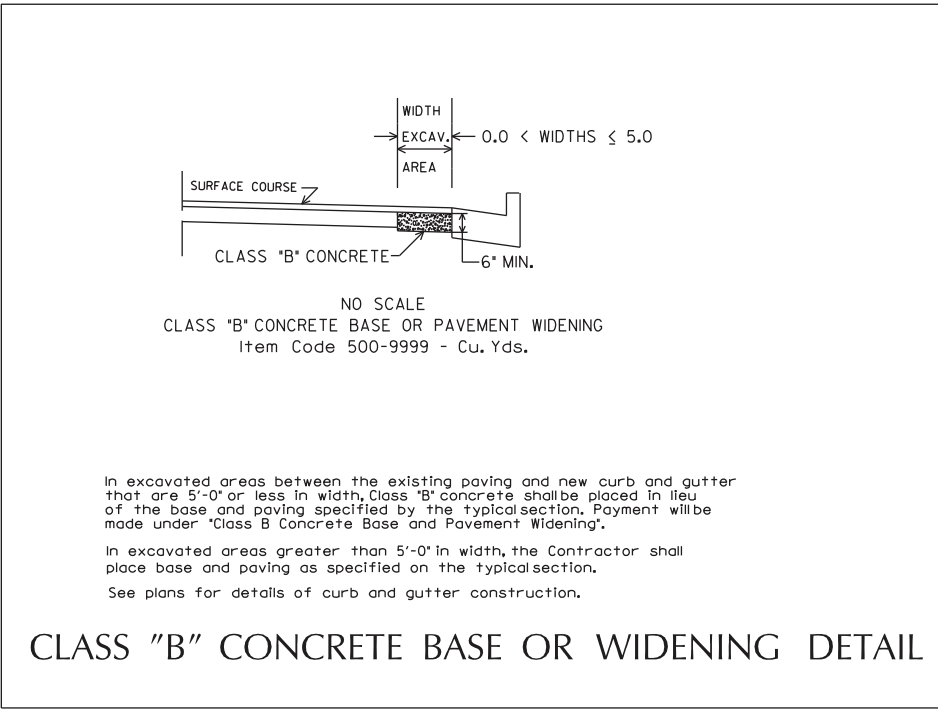
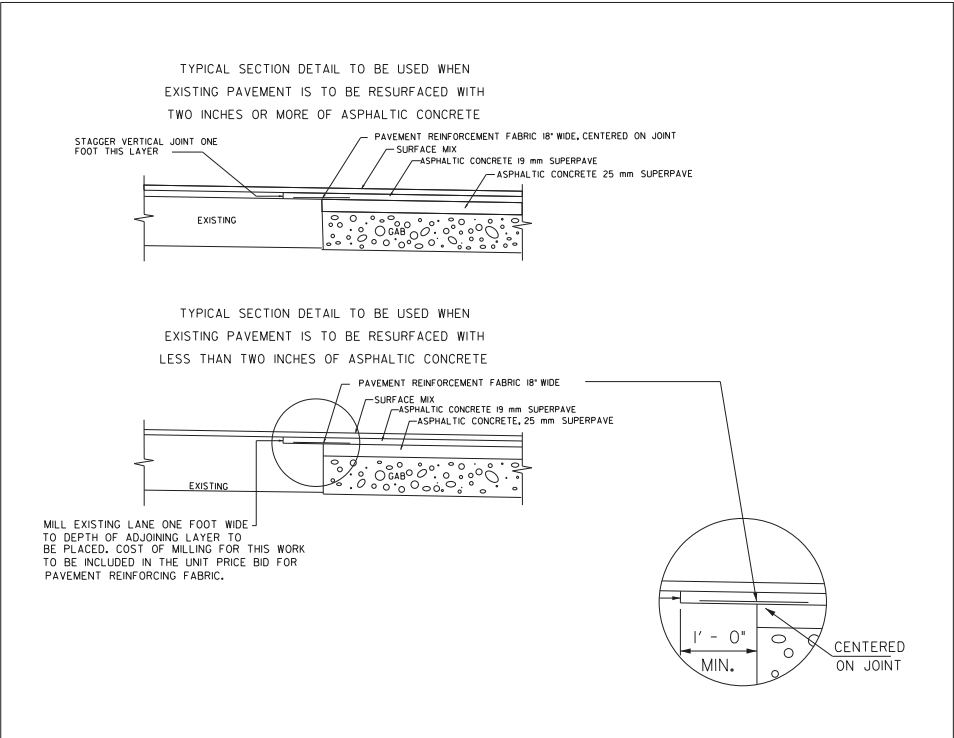
REVISION DATES

TYPICAL SECTIONS

SR 154/166/CAMPBELLTON RD @
CR472/NISKEY LAKE RD

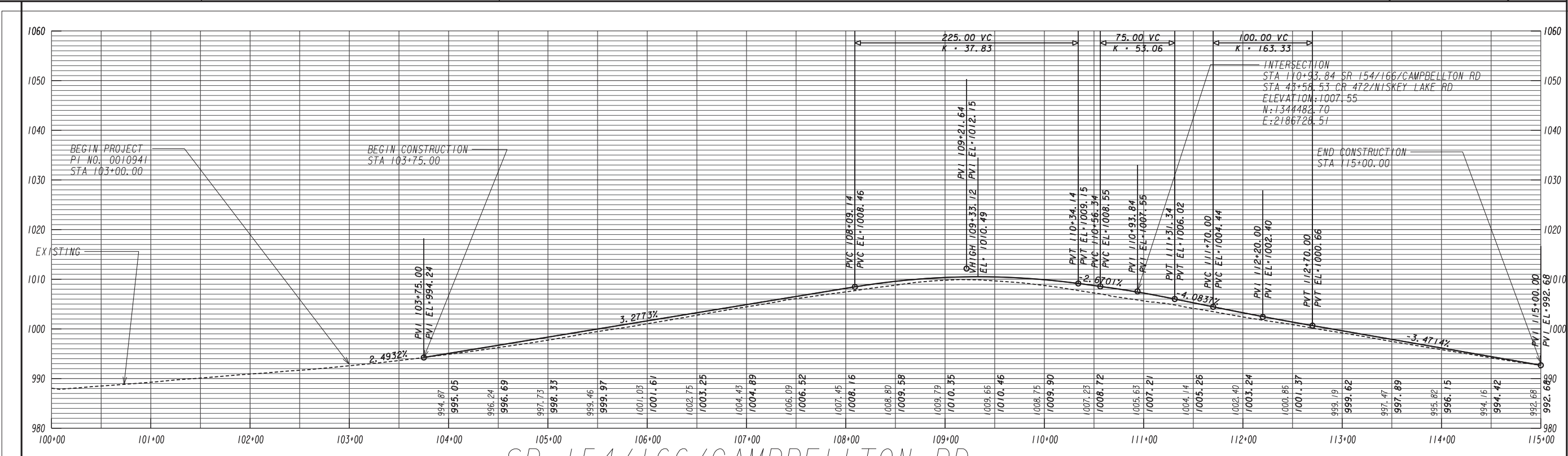
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VERIFIED:		DATE:		05-0004

ALLOWABLE RANGES TABLE		
FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:		
A. NORMAL CROWN		
SECTION WITH GRADES 0.5% OR GREATER		SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM		0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE		0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM		0.0300 FT/FT - MAXIMUM
B. SUPERELEVATION RATE		
S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.		
C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)		
RATE OF CHANGE		CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM	1:150	0.67%
DESIRABLE	1:200	0.50%
MAXIMUM	1:300	0.33%
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.		
D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES		
50% OF TRANSITION INSIDE CURVE - MAXIMUM		
33% OF TRANSITION INSIDE CURVE - DESIRABLE		
20% OF TRANSITION INSIDE CURVE - MINIMUM		
NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.		
E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).		

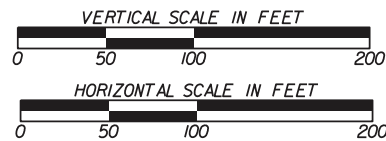
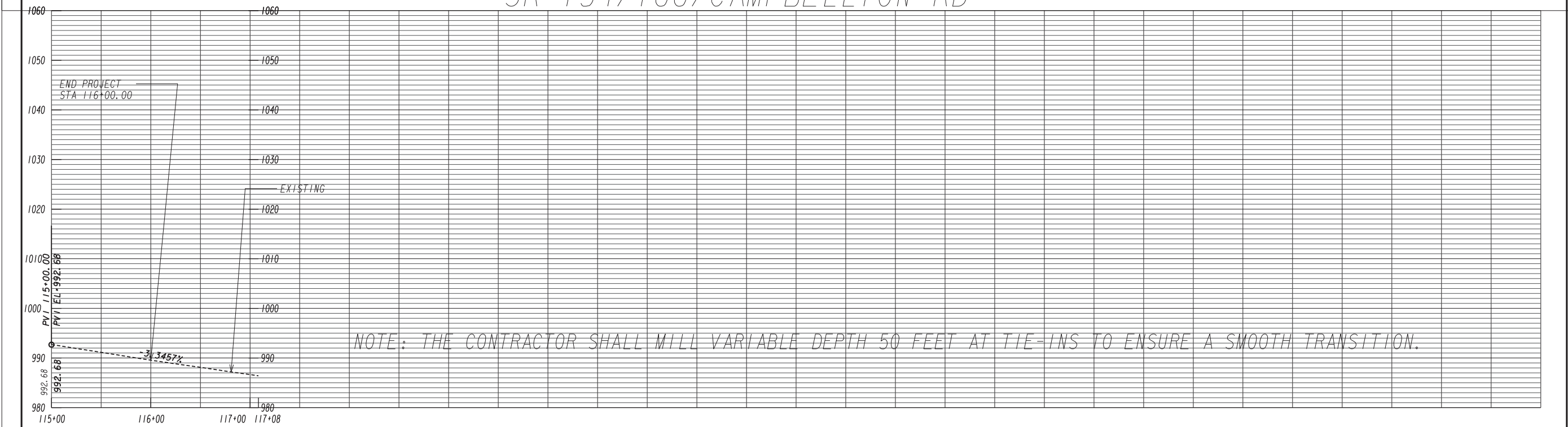


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REVISION DATES			TYPICAL SECTIONS		
			SR 154/166/CAMPBELLTON RD @ CR472/NISKEY LAKE RD		
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SR 154/166/CAMPBELLTON RD



REVISION DATES

MAINLINE PROFILE

SR 154/166/ CAMPBELLTON RD @
CR 472/NISKEY LAKE RD

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	